

II. Of Coal-Borings, Communicated by Dr. Martin Lister, Fell. Coll. Phys. & R. S. which Role or Record he had from Mr. Maleverer, of Arncliffe in Yorkshire.

Thomas Waike bored for Coal at Mauston near Leeds, in the Grounds hereafter named, May the 20th, 1639.

In the Rye-Close, or upper Pig hill, on the East of the way, 38 Yards, from the North East Hedge.

In Earth 1 Yard
in yellow Clay 1 yard
in blew Ramel 1 yard
in black Slate 1 Quarter
in grey metal Stone two yards and two quarters.

in black metal 2 quarters
in grey Stone 2 yards
in a Whinstone 1 qua.
in grey metal 2 qua.
in a Whinstone a Foot
in grey Metal a foot
in Iron-stone 6 Inches
in a Cowshot coloured stone, with many Iron Girdles in it, 9 yards 2 qua.

in black stone 2 yar. 2 qua.
in a Mous-coloured stone, one yard.

in black Metals 1 qua.
in grey stone 2 yar. 1 qua.
in a Cowshot coloured stone with many Iron Girdles in it, 8 yards.

in a grey metal 2 qua.
in Coal a foot
in a dark grey Stone 2 qua.
in a Whinstone a foot
in a dark grey Stone 1 yar.
in a Cowshot coloured stone with Catheads in it, 1 yar.
in black Metal mixt with Coal, 2 qua.
in Cowshot coloured stone, 3 yar. 2 quar.

In all 21 Fathom.

The Charge 9l. 5 s.

We Bored 140 yards West from the former place, I suppose in the Taith Garth, about 20 yards S. W. from the N. E. Hedge ;

In yellow Clay 3 yards
in Orange coloured stone 8 yar.
in a Cowshot coloured stone 2 yar.
in black metal 2 quarters
in Cowshot coloured stone 1 yar. 1 qua.
in Coal mixt with Metal, 1 qua.
in a blew metal 2 qua.
in Coal 3 qua. 6 inc.

L in

In a Cowshot colour'd stone
2 yards

In all 9 Fathom.

The Charge of Boaring, 2l. 1s. 3d.

We Bored in the Severals
upon the West side of the
Fish-ponds;

In yellow Clay 3 yards

in yellow stone 2 yar.

in Cowshot coloured stone
1 yar. 2 quarters,

in blew stone 5 yards

in Coal 1 yar. 3 qua.

in grey metal 1 quarter 7
inches,

in Coal, under this Coal a
hard grey stone 1 yar.

In all

The Charge 1 l. 12 s. 6 d.

We Bored at the West-end of
the East-hall close ;

in Earth 1 yard

in Coal 2 qua. and 3 inc.

We Bored 40 yar. by East
upon the dip.

in earth 2 yards, 2 quarters,
3 inches

in Coal 1 yard, 1 quarter,
5 inches.

We Bored 30 yards by
East further still upon the
Dip ;

in earth 3 yards

in grey Metals 3 quarters

in Coal 1 yar. 1 quarter 5
inches

in Earth 9 Yards

In al 4 Fathom.

In all the Charge 3 l. 3 s. 9 d.

We Bored in the West
Close adjoining to Win Moor;

in yellow Clay 3 yar.

in Orange coloured stone
10 yards

in a Whinstone 2 qua.

in an Orange coloured
stone 2 yar. 2 qua.

in a Cowshot colour'd stone
2 yar. 2 qua.

In all 9 Fathom.

The Charge 2 l. 1 s. 3 d.

September 22. 1659

George White, and James
Stringer, Bored in the East-hall-
Close, 10 yards from the East-
Corner of Mr. Moor's broad
Ing.

In Earth.

Thence 20 yards

In Earth 1 qua.

in Coal 1 qua.

Thence again 20 yards.

In earth 1 yard

in Coal 2 qua.

Thence 20 yards towards the
orth

In

In Clay 3 yards

Thence from the said Corner of the Broad Ing towards the West 30 yards, from the Ash in the South-hedge, towards the North 5 yar.

In Clay 2 yar.

in Coal 1 yar. 1 qua.

Thence towards the North 10 yards

in Clay 2 ya. 5 inc.

in Coal 1 ya. 2 qua.

Thence 10 ya. further North, in Clay 1 yard 2 qua.

in Coal 1 ya. 2 qua.

We sunk to it, and find it to dip S. W. and firm Coal. The Pit we sunk in the West Close is 17 yards deep, the Coal on the N. W. Close 2 yards thick, on the S. E. in the old Pit about twelve yards N. W. the Coal was 1 yard 2 inches thick.

Thence about 8 yards S.W. from the said Pit in the East-hall Close, about ten yards from the S. Hedge,

In Earth and Cowshot 8 yards

in Coal 1 qua.

Blew Cowshot-stone 5 yar. good Metal for Sowing.

Thence about 50 yards from the West hedge, and 40 yar. from the South Hedge,

In Earth 3 yards

in Clay and blew Metal 4 yards

in grey stone 1 qua.

in red Stone 3 qua.

Cowshot Earth with Brack Oar

Thence in the middle of the West end of the said Hall Close, twenty yards East from the Bush Ash in the West Hedge,

in Cowshot Earth with Iron beds, 6 yards

in Coal firm 1 yard 2 qua.

Thence West in the West-hall-close, about 45 yards West from the said Bushy Ash, and 85 yards from the South Hedge.

In Cowshot Earth with 5 Iron Beds, 6 yards

in Coal 1 yar. 2 qua.

Thence 90 yards further West, about 45 yards from the South Hedge

in hard Cow-shot Earth, with 5 iron beds 7 yar. 1 qua. 10 inc.

in Coal 1 yar. 2 quarters 6 inches

Between these two places, about twenty yards to the N. 2 or 3 yards deep.

in 5 yards

in Coal 4 yards 1 qua.

Thence in the said West-hall Close 46 yards North, from *James Hunters* and *Chr. Ambles Hole*, for they then began to bore in the said Close

in yellow Clay 2 ya.

in Blew Clay with rotten
iron stone, 1 ya. 3 qua.

in grey stone 1 qua.

in Coal rotten 1 ya. 5 inc.

So that from the little Ash
in the East Hedge of the said
West hall-close to the West
end 20 yards; from the little
Oak in the said Hedge, the
Coal is about 1 yard 2 inches;
about ten yards towards the
North from that line, the
Coal *Bassets* out, but good
Coal on the South,

Thence about 40 Yards
from the West Hedge of the
East part of the Severals, a-
bout

From *Hunters* and *Amblers*
Boring, to the North in that
Close.

in Clay and sandy Earth,
1 ya. 2 qua.

in Coal 2 ya.

Thence 25 yards to the
South

in Clay and yellow Sand,
2 ya. 2 qua.

in soft white Stone or Cow-
shot, 1 ya. 1 qua.

in Coal very firm, 1 ya.
3 quarters

Thence in the West Severals,
in the first Furrow on the
East of the Fish pond
Close by the North Hedge,
in Earth and Iron Stone,
1 ya. 2 qua.
in Coal

Thence South in the same Fur-
row 15 ya.

in Earth and iron Stone 1
ya. 2 qua.

in Coal

Thence 9 yards further South
in the same Furrow,

in Earth and Iron stone 1
ya. 2 qua.

in Coal

Thence in the said Furrow
close by the North Hedge,
in Earth 1 qu.

in white Sandy stone 3 qu.

in Yellow sand stone 2
ya. 10 inc.

in Coal firm, 1 ya. 3 qua.

in hard *Spaven*, 1 ya. 5 inc.

in hard Stone

Thence to the South, below
the lowest of the old Pits,
10 yards, close by the great
Stone, in the said West Se-
verals,

in yellow Clay 1 ya.

in yellow sandy stone 2
yards

in Cowshot stone 3 ya.

in hard white stone 1 ya.

in Cowshot stone again, 3
ya. 3 qua.

in Coal 1 ya. 3 qua.

in grey *Spaven*, 1 yard 7
inches

Thence from the South East
corner of the *East* Ditch
of the Gate Close, for
120 yards along the said
Ditch, this Coal breaks
forth

forth one yard two quarters deep
 Thence 20 yards further N. in the said Ditch,
 in Earth 2 qua.
 in yellow stone or rather white, 4 yar. 2 qua.
 Thence in the West Seversals again, close by the South Hedge, 70 yar. from the E. Hedge,
 in blew Clay with Iron stone, 4 yar. 1 qua.
 in Coal 2 qua. Mr Moore's out-break
 Thence in the long Close, part of the West-field, 40 yards from the N.W. corner of the gate Close,
 in Clay 1 yard
 in a limit of Coal 2 qua.
 Thence to West 15 yards,
 in Earth 3 qua.
 in Coal
 Thence 25 yar. further W. 40 ya. from the old Pitts,
 in yellow Clay, and rotten iron stone, 1 ya. 3 qua.
 in Coal pipe 2 inc.
 Thence at the South end of the long Close by the S. Hedge,
 in Earth 1 yard
 in Cowshot 2 qua.
 in Coal (the out-breach of the Seversals Coal) 1 yard 1 quarter
 Thence in the gate Close, by the W. Hedge about 160 yards from the Lane,
 in Earth 2 qua.
 in yellow stone 1 yard 2 quarters.

December 1st. 1659.
 George White and James Stringer, Bored in the East Cow-Pasture, by the E. Hedge, near the N. Corner, by the first Oak,
 in Earth 2 yards 2 quarters
 in Cowshot Earth 2 ya.
 in black Metal 3 ya. 2 qu.
 in Cowshot 3 qua.
 in black Metal 1 ya.
 in grey Stone 4 inc.
 Thence in the middle Cow-pasture, by the E. Hedge, near the N. side, against the Maple Tree,
 in blew black Earth 2 ya.
 in Cowshot Earth with Cats-heads, 3 ya.
 in black Earth 1 ya.
 in Coal 1 qua.
 in Spaven 1 qua.
 in White Clay and Stone, 2 yards.
 Thence North about twenty yards West from the tall Ash in the E. Hedge,
 in Clay mixt with rotten iron stone, 2 ya. 2 qua.
 in stiff brown Metal, 2 ya. 2 qua.
 in Cowshot Earth mixt with black.

Thence

- Thence in the nether end of the W. Cow-pasture, near the damm, 10 yards from it, and 30 ya. from the N. Hedge,
 in Earth and Clay 3 ya.
 Thence 4 yards to the S. 15 yards E. from the S. E. corner.
 in Earth 1 ya. 1 qua.
 in Coal 6 inches
 Thence 50 yards South, near 20 yards from Peasing Hedge, Peasing Gap, 5 ya. South from the young Oak in the Damm,
 in yellow Clay with iron stone, 3 yards
 in Cowshot 1 yard
 in Coal 6 inc.
 in white grey stone, 1 ya.
 in black Metal, 1 qua.
 in Galliard
 Thence in the West end of the Pease Ing, 2 yards from the Ash in the midle of the West hedge, 75 ya. from
 in Earth 3 qua.
 in Cowshot 1 qua.
 in Coal (I suppose hard bond) 3 qua.
 in grey Metal, 2 yards 2 quarters
 in Coal (I suppose thin Coal) 2 quarters
 in grey Earth 4 ya.
 in Coal (I suppose Crackling) 1 qua.
 in grey Spaven, 3 qua.
 in grey stone, 1 ya. 1 qua.
 in Galliard
 Thence 18 ya. South
 in yellow Clay 2 ya.
 in Coal mixt with Earth 3 quarters.

N.B. *This was done for the Concerns of a Private Family; but because it may be of some use to the Naturalist, Dr. Lister was willing to part with it. It was twice as long again, but scarce any thing but Repetitions of the same things in Nature, and therefore he Transcribed no more; but this is as it were a Specimen.*